



PRODUCT INFORMATION DATA SHEET

LIBWAX - C

DESCRIPTION : Fatty Bisamidewax

SPECIFICATIONS :

- Appearance : White Powder
- Melting Point : 142°C - 145°C
- Acid Value : 10 Max.
- Amine Value : 2.0 Max
- Flash Point : >285°C
- Specific Gravity : 0.95
- Heat Stability : Excellent heat Stability
(at 250°C for 15 mins) (No discoloration)

PROPERTIES : Libwax - C is a unique Grade of fatty bisamide, manufactured to provide the ultimate performance in plastics processing. Its molecular configuration combines an excellent balance of polar and non polar groups. This chemical structure provides the proper solubility and compatibility relationship that enables Libwax - C to function as an internal /external lubricant in almost all thermoplastic and thermoset systems.

APPLICATIONS : Libwax - C is used in nearly all major plastic processing operations, finding application as a lubricant, mold release agent, anti block and slip additives and as a dispersant for pigments and flame retardants.

MOLDED PLASTIC

When incorporated into plastic molding powder, Libwax - C facilitates the powder's flow into all parts of the mold. It also improves pigment dispersion and mold release and by reducing friction, it reduces static charges, thereby reducing dust pick up. Libwax - C is also recommended as a mold release agent for Acetal and PBT. Libwax - C is used as antiblocking and Slip agent for thermoset & thermoplastic resins.

(PTO)



- RIGID PVC** : Libwax - C improves the flow Characteristics of the PVC melt acting as internal/external lubricant and anti blocking agent. It is extensively used in PVC applications such as siding, Profile, Sheet film and Cable. The dosage may vary from 0.5 to 1 Phr.
- PLSTICIZED PVC** : In plasticized PVC films, Libwax - C acts as a very effective anti blocking agent. Recommended usage levels vary between 0.1 - 1.0 Phr, depending on film thickness and percentage of plasticizers.
- ABS RESINS AND POLYSTYRENE** : Libwax - C increase the flow characteristics of polystyrene and ABS. In pigmented products it acts as a dispersing agent as well. The suggested dosage varies between 0.5-2.0% for ABS resins and 0.1 % to 0.25% for polystyrene.
- POLYOEFINS** : Libwax - C can be used in Polyolefins as a pigment dispersant aid at suggested dosage : 0.25 – 0.5 phr. It is also suitable as anti blocking agent for the production of LDPE films.
- POLYAMIDES** : In Polyamide 6 and 6.6, Libwax - C is used as an internal mold release agent at suggested dosage 0.1 – 0.3 phr.
- ACETAL RESINS** : In Acetal Resins, Libwax- C is used as surface lubricant and mold release agent at Suggested amount 0.25 phr.
- POLYURETHANES:** In injection molding of thermoplastic PUR, Libwax - C acts as internal mold release agent at suggested amount- 0.1 – 1.0%.



B) POLYSTYRENE :

LIBSTAT – CDA is recommended for use as an antistatic agent for polystyrene with 0.5% to 1.5%. Since it is also compatible with polystyrene in higher concentrations, the desired content of this antistatic agent can be adjusted with such granules by processing them together with additive-free polystyrene. It should be pointed out, however, that these products have a certain lubricating effect and that this can cause excess lubrication in the extruder with higher concentrations.